Qty:

10 Um:

Each

: PANEL

: D33305

: 3/22/2008

: N/A

: D

: D3330 REV D

Date:

Tuesday, 2/26/2008 8:02:58 AM

User:

Kim Johnston

Process Sheet

Drawing Name

Part Number

Material

Due Date

Description:

Drawing Number

Project Number

Drawing Revision

Customer Job Number : CU-DAR001 Dart Helicopters Services

Type

S.O. No. :

: 37650

Estimate Number : 10907

P.O. Number

: 2/26/2008 This Issue

: NC

Prsht Rev. : 11

First Issue Previous Run

: 36011

Written By

Checked & Approved By

Comment

Est.

New issue KJ/JLM 05.01.13 Est Rev:B Now on Waterjet 06-09-25 JLM

est C 07.05.14 rev C dwg

Est D 07.12.12 Rev D dwg EC veryfied by:DD

: SMALL /MED FAB

Additional Product

Job Number:



Seq. #:

Machine Or Operation:

1.0

M1010S125

1010-1025 sheet .125

Comment: Qty.:

0.8316 sf(s)/Unit

Total: 8.3160 sf(s)

1010-1025 sheet .125

(M1010S0125)

Batch:__ 106140

2.0 WATER JET

FLOW WATER JET



Comment: FLOW WATER JET 1-Cut as per Dwg D3330

Prog Rev:_

2-Deburr if necessary

3.0 QC2

Comment: INSPECT PARTS AS THEY COME OFF MACHINE

4.0

QC8

SECOND CHECK



Comment: SECOND CHECK

INSPECT PARTS AS THEY COME OFF MACHINE



Dart Aerospace Ltd

| W/O: | | WORK ORDER CH | WORK ORDER CHANGES | | | | | |
|---------|------|------------------------|--------------------|-----------|---------------------|-------------------------------------|--------------------------|--|
| DATE | STEP | PROCEDURE CHANGE | Ву | Date | Qty | Approval Chief Eng / Prod Mgr | Approval QC Inspector | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| Part No |): | PAR #: Fault Category: | NCR: Ye | s No DQ | A : \ | _ Date: <u></u> | 803/15 | |
| | | | QA: | N/C Close | d: | Date: _ | | |

| NCR: | | WORK ORDER NON-CONFORMANCE (NCR) | | | | | | | |
|------|------|----------------------------------|----------------------|------------------------------|----------------|--------------|-----------------------|--------------------------|--|
| | | Description of NC | | Corrective Action Section B | | Verification | Annroval | Ammayal | |
| DATE | STEP | Section A | Initial Chief Eng | Action Description Chief Eng | Sign & Date | Section C | Approval Chief Eng | Approval QC Inspector | |
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NOTE: Date & initial all entries

| | esday, 2/26/2008 8:02:58 AM | | |
|---------------|---------------------------------------|---------------------------------------|---------------|
| User: Kin | 1 Johnston | Process Sheet | |
| Customer | : CU-DAR001 Dart Helicopters Services | Drawing Name: PANEL | |
| Job Number | : 37650 | Part Number: D33305 | |
| Job Number: | | | |
| Seq. #: | Machine Or Operation: | Description : | |
| 5.0 | BRAKE NC | NC BRAKE | |
| Comm | ent: NC BRAKE | | |
| | Deburr Form as per Dwg D3330 | SB | 08/03/10 |
| 6.0 | QC5 | INSPECT WORK TO CURRENT STEP | |
| | | | |
| | ent: INSPECT WORK TO CURRENT STEP | J 09 | 563/10 ×11 |
| 7.0 | PACKAGING 1 | PACKAGING RESOURCE #1 | |
| Comm | ent: PACKAGING RESOURCE #1 | | |
| | Identify and Stock Location:STYSB | AS a | 8/03/11/ (11) |
| 8.0 | QC21 | FINAL INSPECTION/W/O RELEASE | |
| Comm | ent: FINAL INSPECTION/W/O RELEASE | · · · · · · · · · · · · · · · · · · · | 1708/03/19 |
| ob Completion | | 2008 (3-/12 | |
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| W/O: | | WORK ORDER CHANGE | S | | | | |
|---------|------|------------------------|----------|-----------|-----|-------------------------------------|------------------------|
| DATE | STEP | PROCEDURE CHANGE | Ву | Date | Qty | Approval Chief Eng / Prod Mgr | Approva QC Inspecto |
| | | | - | | | - | |
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| | | | | | | | |
| Part No | : | PAR #: Fault Category: | NCR: Yes | No DQ | A: | Date: _ | |
| | | | QA: | N/C Close | d: | _ Date: _ | ···· |

| NCR: | | WORK ORDER NON-CONFORMANCE (NCR) | | | | | | |
|------|------|----------------------------------|-----------------------------|------------------------------|----------------|--------------|-----------|--------------|
| | | Description of NC | Corrective Action Section B | | | Verification | Approval | Approval |
| DATE | STEP | Section A | Initial Chief Eng | Action Description Chief Eng | Sign & Date | Section C | Chief Eng | QC Inspector |
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NOTE: Date & initial all entries

| DART AEROSPACE LTD | Work Order: | 37650 | |
|---------------------------------------|--------------|-------------|--|
| Description: Frame Weldment | Part Number: | D3330-5 | |
| Inspection Dwg: D3330 Rev: 5 09.09.14 | | Page 1 of 1 | |

FIRST ARTICLE INSPECTION CHECKLIST

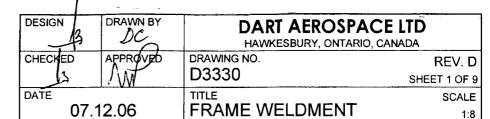
X First Article Prototype

| Drawing Dimension | Tolerance | Actual Dimension | Accept | Reject | Method of Inspection | Comments |
|----------------------|-----------|---------------------|--------|--------|-------------------------|----------|
| 16.33 | +/-0.030 | 16.33 | XE | | | |
| 7.00 | +/-0.030 | 7,00 | * | | | |
| 0.88 | +/-0.030 | 888, | * | | | |
| 3.25 | +/-0.030 | 3,755 | ¥ | | | |
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| Measured by: | B | Audited by: | | Prototype Approval: | N/A |
|--------------|-------|-------------|---------|---------------------|-----|
| Date: | 8-3-3 | Date: | OOLB/OR | Date: | N/A |

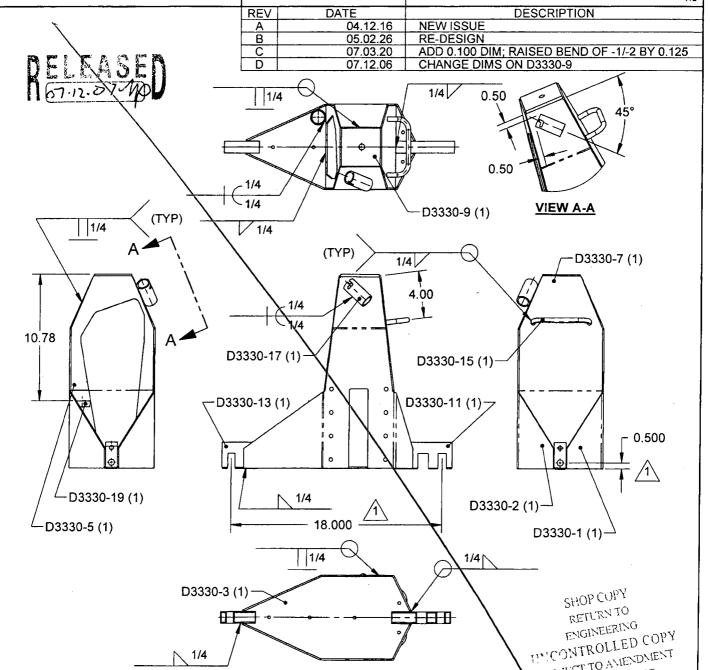
| Rev | Date | Change | Revised by | Approved |
|-----|----------|-----------------|------------|----------|
| Α | 06.10.27 | New Issue | KJ/JLM , | |
| В | 07.05.16 | Dwg Rev updated | KJ/EC | B |





SUBJECT TO AMENDMENT

WITHOUT NOTICE



NOTES:

- 1) POSITION PARTS AS PER JIG D3330-041T1
- 2) WELD PER QSI 004
- 3) FINISH: POWDER COAT PAINT FIRE RED (4.3.5.10) PER DART QSI 005 4.3

D3330-041 FRAME WELDMENT

- 4) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 5) ALL DIMENSIONS ARE IN INCHES

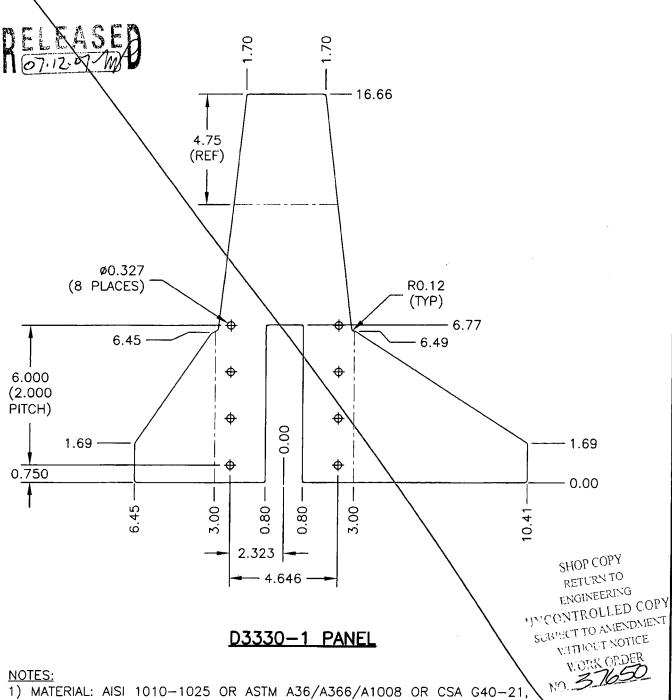
1/4

6) BREAK ALL SHARP EDGES 0.010 TO 0.020

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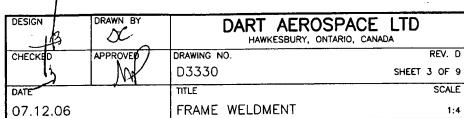
| 1 | | | |
|----------|------------|---------------------------------|--------------|
| DESIGN | DRAWN BY | DART AEROSI HAWKESBURY, ONTA | |
| CHECKED | APRROVED) | DRAWING NO. | REV. D |
| 13 | M | D3330 | SHEET 2 OF 9 |
| DATE | | TITLE | SCALE |
| 07.12.06 | | FRAME WELDMENT | 1:4 |

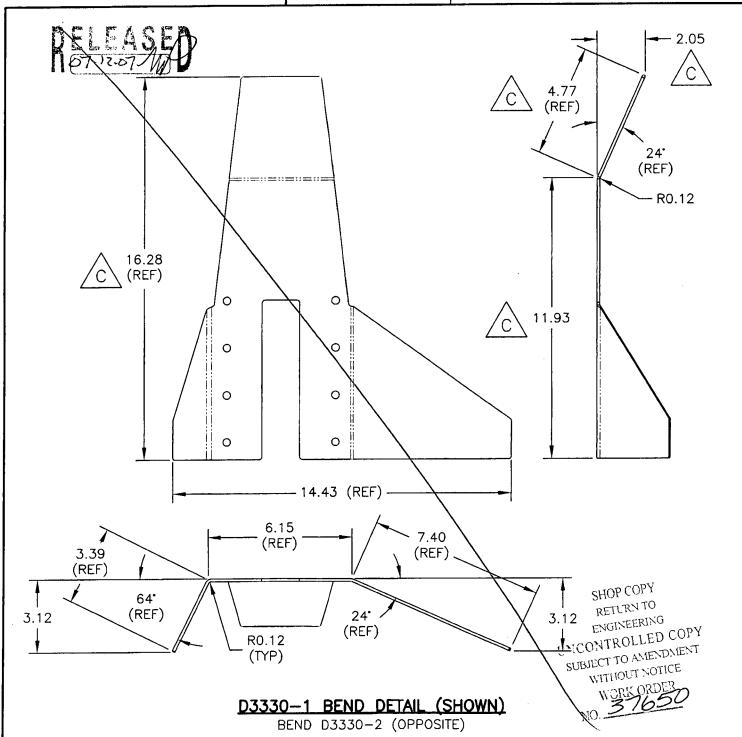


1) MATERIAL: AISI 1010-1025 OR ASTM A36/A366/A1008 OR CSA G40-21, 38W/44W/50W/60W/70W SERIES STEEL 11 GAUGE (0.125 THICK)

- 2) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 3) ALL DIMENSIONS ARE INCHES
- 4) BREAK ALL SHARP EDGES 0.005 TO 0.010

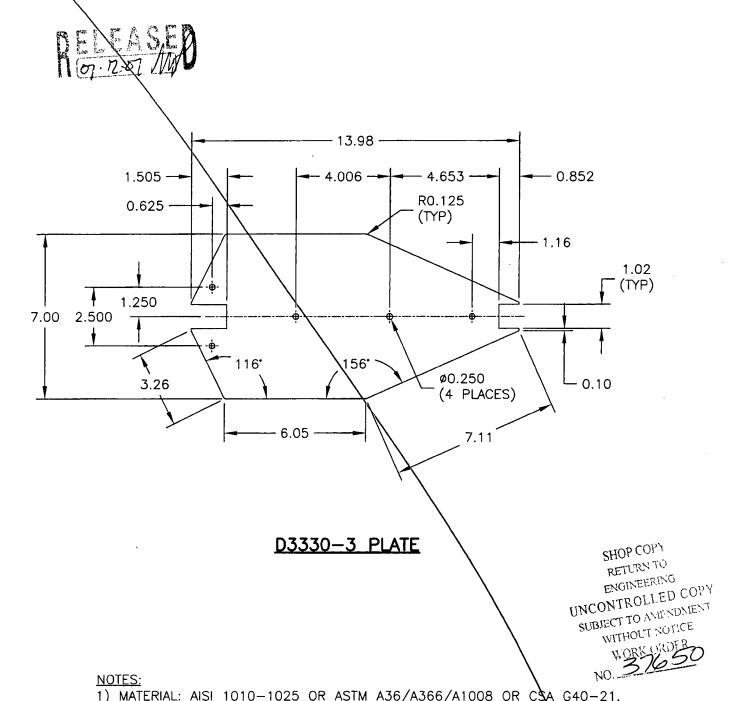








| DESIGN | DRAWN BY | DART AEROSF HAWKESBURY, ONTAF | |
|----------|----------|----------------------------------|--------------|
| CHECKED | APPROVED | DRAWING NO. | REV. D |
| 1 13 | NA | D3330 | SHEET 4 OF 9 |
| DATE | | TITLE | SCALE |
| 07.12.06 | | FRAME WELDMENT | 1:4 |



1) MATERIAL: AISI 1010-1025 OR ASTM A36/A366/A1008 OR CSA G40-21, 38W/44W/50W/60W/70W SERIES STEEL 11 GAUGE (Q.125 THICK)

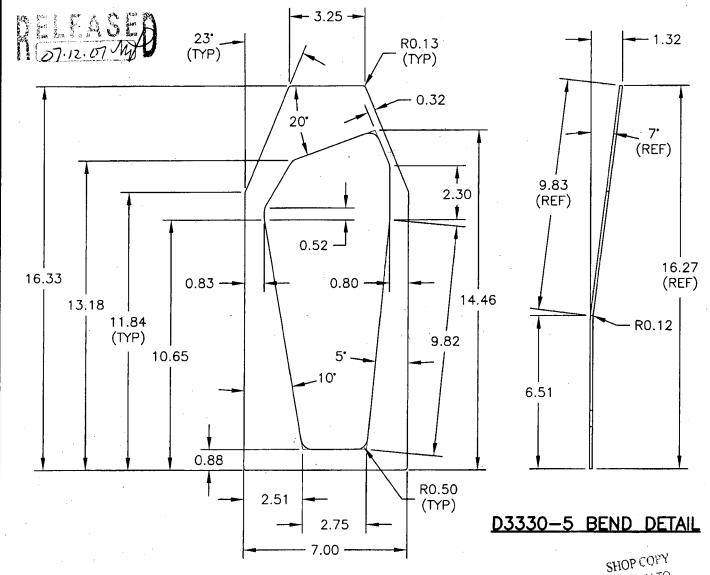
2) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED

3) ALL DIMENSIONS ARE IN INCHES

4) BREAK ALL SHARP EDGES 0.005 TO 0.010



| DESIGN 3 | DRAWN BY | DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA | | |
|----------|------------|--|--------------|--|
| CHECKED | APPROVED / | DRAWING NO. | REV. D | |
| 1 3 | M | D3330 | SHEET 5 OF 9 | |
| DATE | | TITLE | SCALE | |
| 07.12.06 | | FRAME WELDMENT | 1:4 | |



FLAT PATTERN

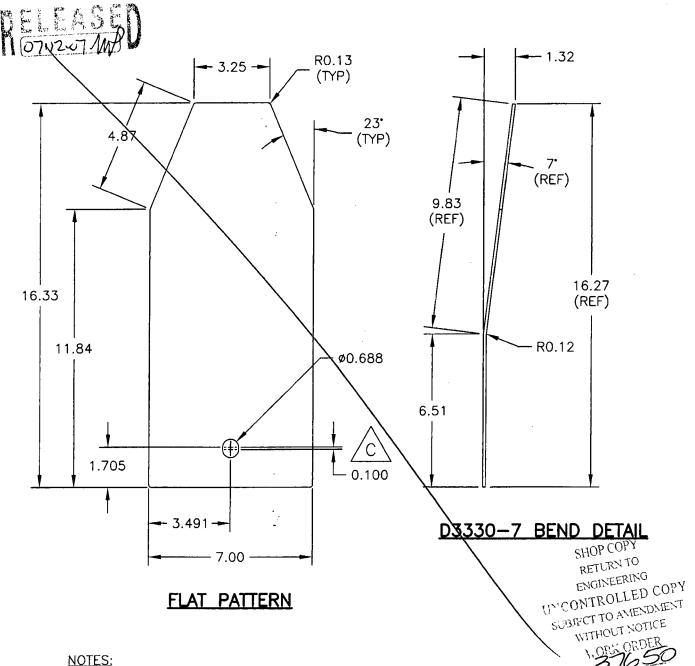
RETURN TO **ENGINEERING** UNCONTROLLED COPY SUBJECT TO AMENDMENT WITHOUT NOTICE

NOTES:

- 1) MATERIAL: AISI 1010-1025 OR ASTM A36/A366/A1008 OR CSA G40+21-38W/44W/50W/60W/70W SERIES STEEL 11 GAUGE (0.125 THICK)
- 2) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 3) ALL DIMENSIONS ARE IN INCHES
- 4) BREAK ALL SHARP EDGES 0.005 TO 0.010



| 1 | | | - man - management |
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| DESIGN | DRAWN BY | DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA | |
| CHECKED | APPROVED | DRAWING NO. | REV. D |
| 13 | 1 | D3330 | SHEET 6 OF 9 |
| DATE | | TITLE | SCALE |
| 07.12.06 | | FRAME ASSEMBLY | 1:4 |

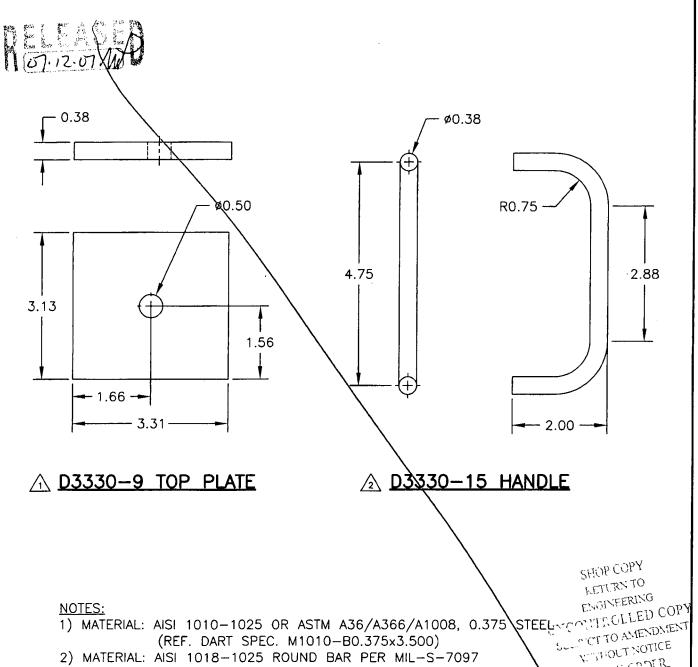


1) MATERIAL: AISI 1010-1025 OR ASTM A36/A366/A1008 OR CSA G40-121; == 38W/44W/50W/60W/70W SERIES STEEL 11 GAUGE (0.125 THICK)

- 2) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 3) ALL DIMENSIONS ARE IN INCHES
- 4) BREAK ALL SHARP EDGES 0.005 TO 0.010



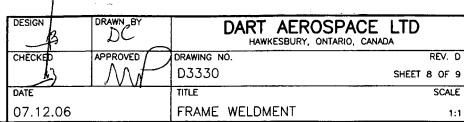
| DESIGN | DRAWN BY | DART AEROS HAWKESBURY, ONTA | |
|----------|----------|--------------------------------|--------------|
| СНЕСКЕР, | APPROVED | DRAWING NO. | REV. D |
| 1 4 | J\Y\ | D3330 | SHEET 7 OF 9 |
| DATE | | TITLE | SCALE |
| 07.12.06 | | FRAME WELDMENT | 1:2 |

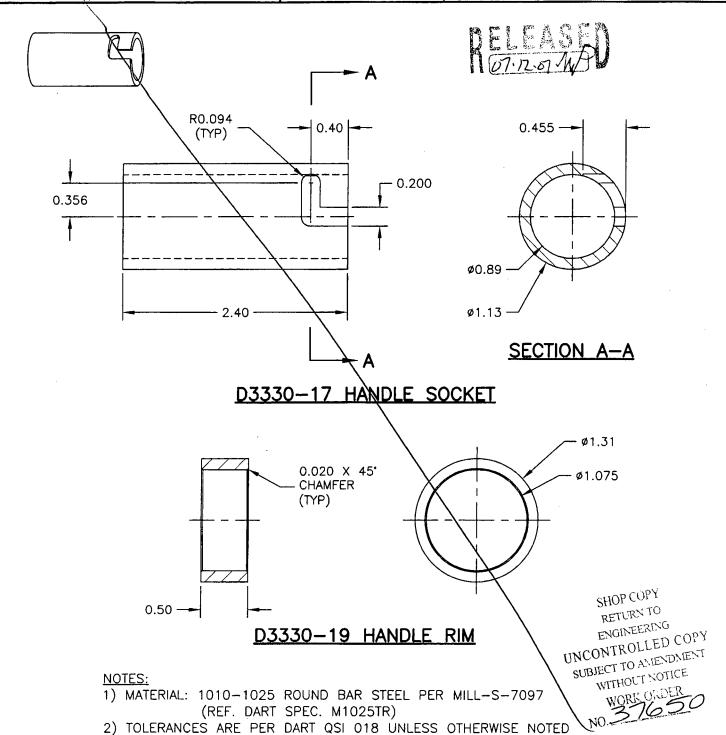


2) MATERIAL: AISI 1018-1025 ROUND BAR PER MIL-S-7097 (REF. DART SPEC. M1018-R0.375)

- 3) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) ALL DIMENSIONS ARE IN INCHES
- 5) BREAK ALL SHARP EDGES 0.005 TO 0.010







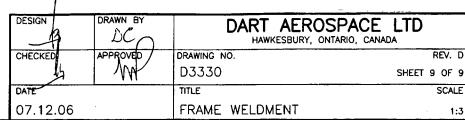
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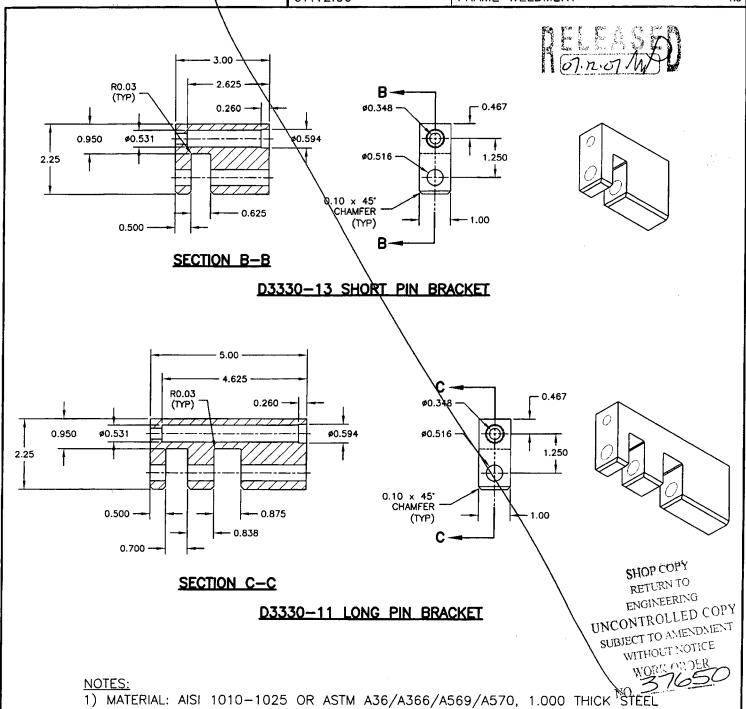
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3) ALL DIMENSIONS ARE INCHES

4) BREAK ALL SHARP EDGES 0.005 TO 0.010







(REF. DART SPEC. M1010-B1.000x02.250)

- 2) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 3) ALL DIMENSIONS ARE INCHES
- 4) BREAK ALL SHARP EDGES 0.005 TO 0.010